

# The Intersection of Open Metadata & SALALM

## Learning to Use Wikidata

### SALALM 63

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# Outline

- What is Wikidata?
- Wikidata Query Service
- Wikidata Data Model
- External Tools
- Demo


# What is Wikidata?

- Free knowledge base with almost 50 million content pages
- Developed in 2012
- Read and edited by humans and machines
- Newest project of the Wikimedia Foundation
- Sister project to Wikipedia
- Multilingual
- Stores structured linked data
- Centralized repository

# Usage of Wikidata's Data

- Google Knowledge Graph
- Wikimedia Commons
- Wikipedia
  - Article Placeholder
  - Infoboxes (Catalan, French, German)

# Infobox Example in Wikipedia



WIKIPEDIA  
The Free Encyclopedia

[Main page](#)  
[Contents](#)  
[Featured content](#)  
[Current events](#)  
[Random article](#)  
[Donate to Wikipedia](#)  
[Wikipedia store](#)

[Interaction](#)

[Help](#)  
[About Wikipedia](#)  
[Community portal](#)  
[Recent changes](#)  
[Contact page](#)

[Tools](#)  
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[Wikidata item](#)  
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## Marta Terry González

From Wikipedia, the free encyclopedia

**Marta Terry González** (May 7, 1931 – June 18, 2018) was a Cuban librarian. She is known for her leadership of several important libraries in post-revolutionary Cuba, including those of the Junta Central de Planificación (JUCEPLAN), [Casa de las Américas](#), and the [National Library José Martí](#), as well as her role in the [International Federation of Library Associations and Institutions](#) (IFLA). In these roles, she worked with well-known Cuban revolutionaries such as [Che Guevara](#) and [Haydée Santamaría](#).

**Contents** [\[hide\]](#)

1 [Early life](#)

2 [Education](#)

3 [Professional work](#)

4 [References](#)

**Marta Terry González**

**Born**

May 7, 1931

[Cuba](#)

**Died**

June 18, 2018 (aged 87)

Cuba

**Nationality**

[Cuban](#)



**Alma mater**


[University of Havana](#)

**Occupation**

Librarian, Professor

# Wikidata items in VIAF (Virtual International Authority File)

Rosa M. Abella  

Abella, Rosa M. -2007 

Abella, Rosa M. 

Abella, Rosa 

VIAF ID: 232419989 (Personal)

Permalink: <http://viaf.org/viaf/232419989>

## Preferred Forms

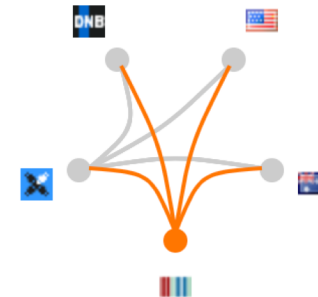
 100 1 \_ [⌘a Abella, Rosa](#) (sparse)

 100 1 \_ [⌘a Abella, Rosa M.](#)

 100 1 \_ [⌘a Abella, Rosa M. ⌘d -2007](#)

 100 0 \_ [⌘a Rosa M. Abella](#)

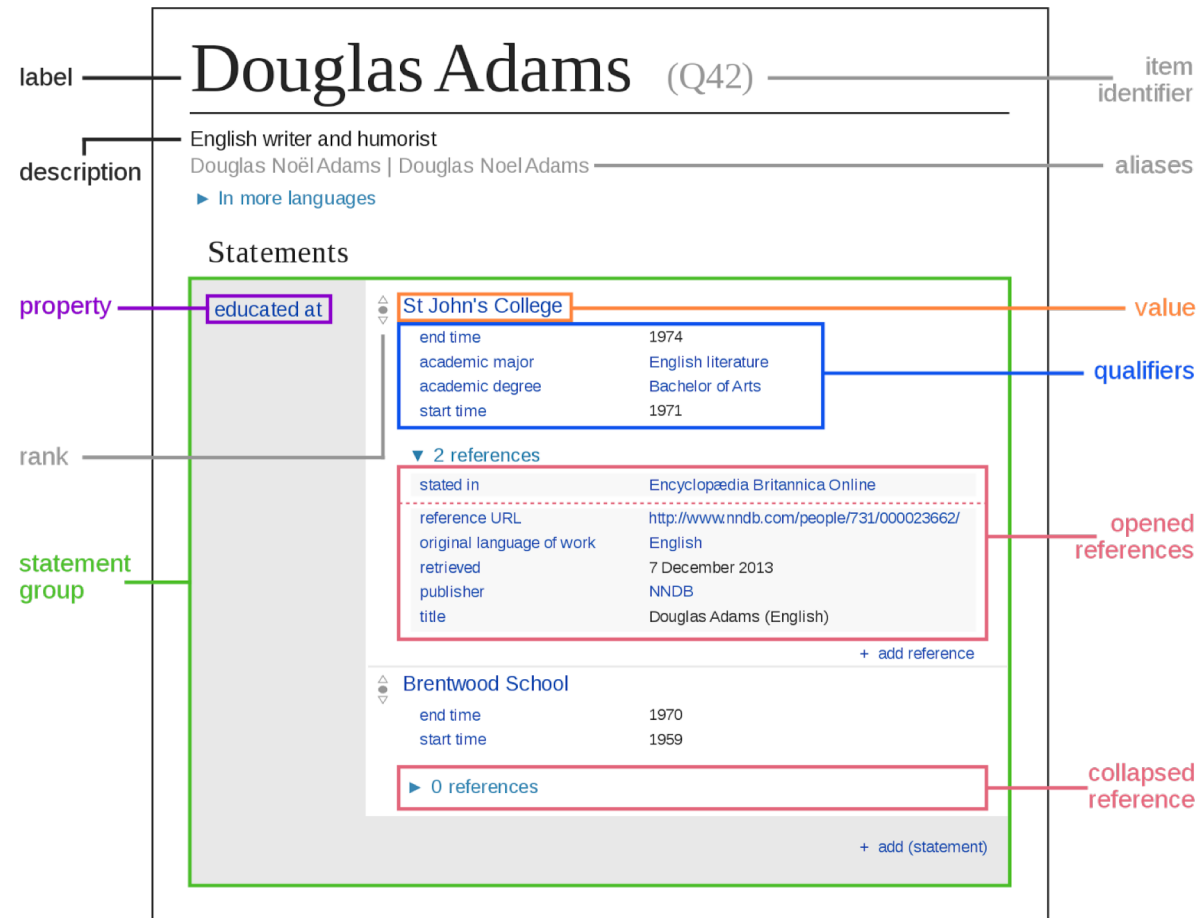
 100 0 \_ [⌘a Rosa M. Abella](#)



Wikidata

WKP-Q15429897

# Wikidata Data Model



# Properties + Items

## Item:

- Q numbers
- Anyone can create one

## Property:

- P numbers
- Proposal process

Suzanne M. Schadl (Item example)

## Item

Suzanne M. Schadl  
Q32979516

## Property

occupation  
P106

## Value

curator  
Q1622272



# Wikidata Item: Suzanne M. Schadl

Suzanne M. Schadl (Q55155159) ...

curator  
Suzanne Schadl

- In more languages [Configure](#)

Language	Label	Description	Also known as
English	Suzanne M. Schadl	curator	Suzanne Schadl
Portuguese	Suzanne M. Schadl	No description defined	
Spanish	Suzanne M. Schadl	No description defined	
Traditional Chinese	No label defined	No description defined	

All entered languages

## Statements

instance of `human` ... [edit](#)

[-0 references](#)

[-add reference](#)

[-add value](#)

sex or gender      \* female ...      · edit  
                                 · 0 references      · add reference  
                                      · add value

given name	* Suzanne ... - 0 references	<a href="#">edit</a> <a href="#">add reference</a> <a href="#">add value</a>
------------	---------------------------------	--

family name

Schadl ... 

1

·0 references

·edit

·add reference

·add value

languages spoken, written or signed	<div>English</div> <div>· 1 reference</div>	<div>edit</div>
	<div>Portuguese</div> <div>· 1 reference</div>	<div>edit</div>
	<div>Spanish</div> <div>· 1 reference</div>	<div>edit</div>
	<div>add value</div>	

employer	8	University of New Mexico ...		/edit
		start time	May 2008 ...	
		· 1 reference		
	8	Roanoke College ...		/edit
		start time	August 2002 ...	
		end time	May 2004 ...	
		· 1 reference		
	8	University of Texas at Austin ...		/edit
		start time	August 1999 ...	
		end time	May 2000 ...	
	· 1 reference			
· add value				

position held	<div>#</div> president ... <div>/edit</div>
	of Seminar on the Acquisition of Latin American Library Materials ...
	start time2017 ...
	end time2018 ...

# Wikidata Query Service

<https://query.wikidata.org/>

- SPARQL end point
- Searches Wikidata's data
- Existing Queries can be modified
- Results from the Queries can be downloaded (JSON, CSV, TSV)

Examples:

- [National flags depicting birds](#)
- [SALALM Members](#)

# Wikidata VizQuery

<https://tools.wmflabs.org/hay/vizquery/>

- Searches Wikidata's data
- Results from the Queries can be downloaded (CSV)

## Wikidata VizQuery

### Select items where...

item has a property member of <sup>P463</sup> that is Seminar on the Acquisition of Latin American Library Materials  
Q43302064

Remove rule

+ Add rule

Remove all rules

Maximum results (0 is no limit) 50

Query

### Results 2

[Download as CSV](#)

**Daisy V. Domínguez**

librarian

[Q47800459](#)

**Suzanne M. Schadl**

curator

[Q55155159](#)

## SPARQL Query

► Show query

# Tools for Content Contribution

- Source MetaData - <https://tools.wmflabs.org/sourcemd/>
- QuickStatements - <https://tools.wmflabs.org/quickstatements/>
- Mix-n-Match - <https://tools.wmflabs.org/mix-n-match/?#/>
- Distributed Game - <https://tools.wmflabs.org/wikidata-game/distributed/#>

# Distributed Game Example



## Items without descriptions

Add descriptions found inside Wikipedia articles

**Alva, Mississippi** [Q16159701]

الوا، میسیسیپی Alva

**Auto** | **en** | **fa**

Comunidad no incorporada en Estados Unidos

Is this a good description for this item?

unincorporated community

Yes

Don't know

No

**Alva, Mississippi** (Q16159701) ...

No description defined

▼ In more languages [Configure](#)

Language	Label	Description
English	Alva, Mississippi	No description defined
Portuguese	No label defined	No description defined
Spanish	No label defined	No description defined
Traditional Chinese	No label defined	No description defined

All entered languages

## Statements

instance of

unincorporated community ...

▼ 0 references

country

United States of America ...

# Tool for Displaying Data: Reasonator

<https://tools.wmflabs.org/reasonator/>

Suzanne M. Schadl (Q55155159)

Suzanne Schadl

curator

She studied at University of New Mexico from 1993 until 2002 and Ohio State University from 1988 until 1992. She is/was president from 2017 until 2018 for Seminar on the Acquisition of Latin American Library Materials. She is/was a member of Seminar on the Acquisition of Latin American Library Materials. She worked for University of New Mexico from May 2008, for Roanoke College from August 2002 until May 2004, and for University of Texas at Austin from August 1999 until May 2000.

## Other properties

**employer** University of New Mexico public research university in Albuquerque, New Mexico, United States  
start time : 2008-05

Roanoke College  
start time : 2002-08  
end time : 2004-05

University of Texas at Austin public research university in Austin, Texas, United States  
start time : 1999-08  
end time : 2000-05

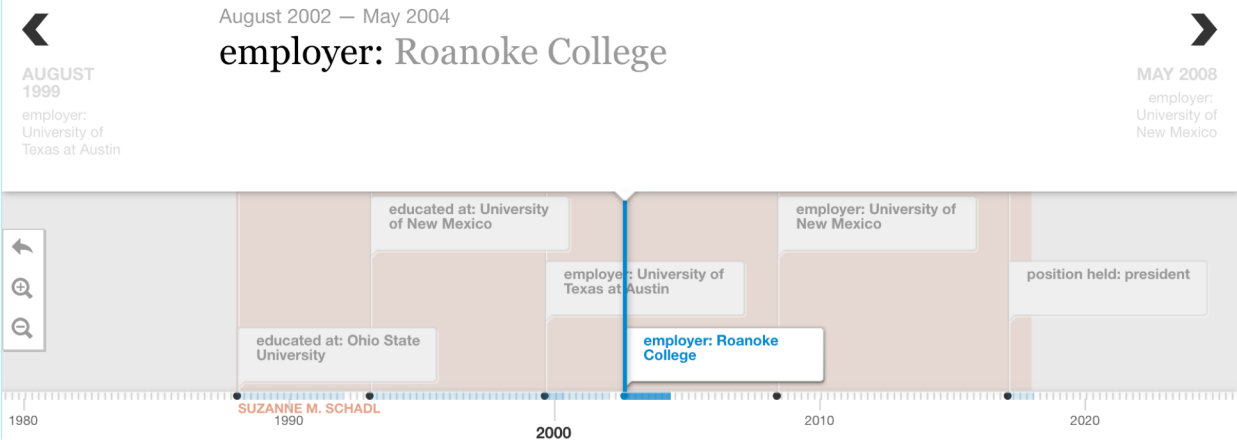
**languages** English West Germanic language originating in England

**spoken, written or signed** Portuguese Romance language

Spanish Romance language

**affiliation** Seminar on the Acquisition of Latin American Library Materials

## Timeline



Free images Google search

## External sources

Google Scholar author jylzxtwAAAAJ

ResearchGate person Suzanne\_Schadl

Scopus Author 38062301200

Twitter username smschadl

# Tool for Displaying Data: Scholia

<https://tools.wmflabs.org/scholia/>

author

**Finn Årup Nielsen (Q20980928)**

Related: [Vibe Gedsø Frøkjær](#) · [Eske Willerslev](#) · [Cisca Wijmenga](#) · [Peter C. Gøtzsche](#) · [Gitte Moos Knudsen](#) · [Andreas Roepstorff](#) · [Daniel Mietchen](#) · [Lars Kai Hansen](#) · [Claus Svarer](#) · [Mical Paul](#)

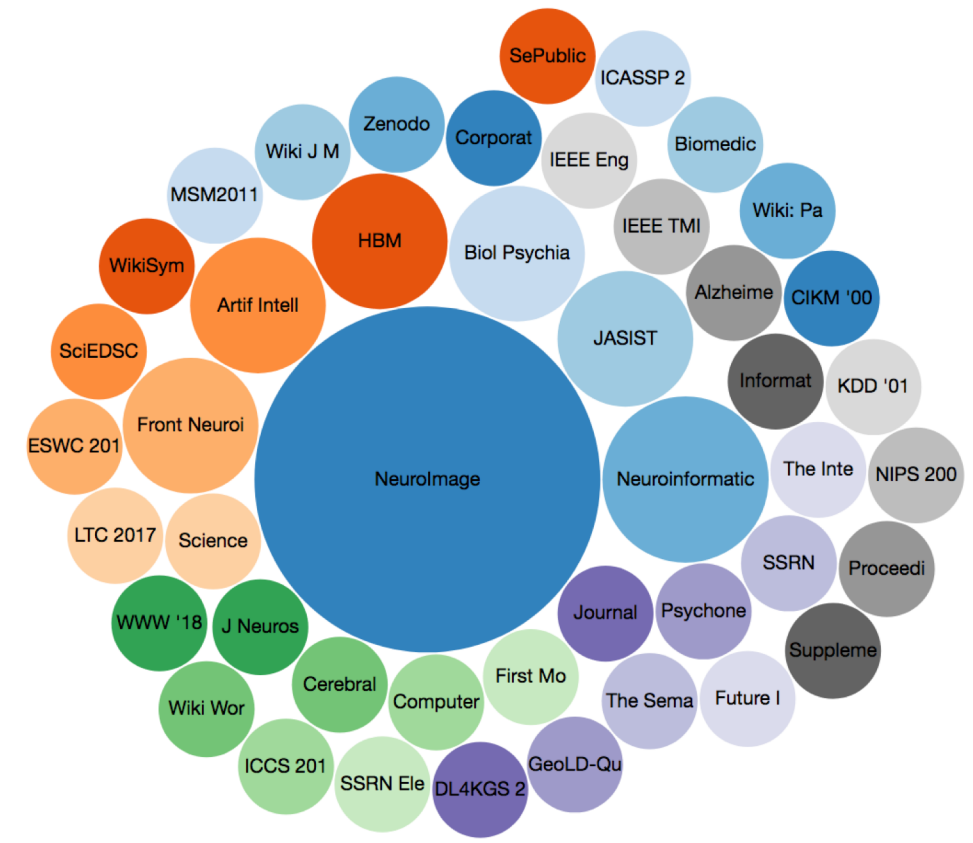
 <https://orcid.org/0000-0001-6128-3356>

## List of publications

Show  entries

Search:

Date	Work	Type	Pages	Venue	Authors
2018-05-01	<a href="#">Wikidata and Scholia as a hub linking chemical knowledge</a>	conference poster, abstract	1	<a href="#">11th International Conference on Chemical Structures. Program &amp; Abstracts</a>	Denise Slenter, Chris T. Evelo, Egon Willighagen, Daniel Mietchen, Finn Årup Nielsen
2018-04-01	<a href="#">Inferring visual semantic similarity with deep learning and Wikidata: Introducing imagesim-353</a>	scholarly article	6	<a href="#">Proceedings of the First Workshop on Deep Learning for Knowledge Graphs and Semantic Technologies</a>	Finn Årup Nielsen, Lars Kai Hansen



# Demo



# wikidata

the free wiki-like database

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